Exploring the Extreme			
2007 Mathematics			
Next Generation Sunshine State Standards			
Florida Mathematics			
Grade 2			
Activity/Lesson	**State**	**Standards**	
Finding the Center of Gravity Using Rulers	FL	MA.2.MA.2.G.3.4	Estimate, select an appropriate tool, measure, and/or compute lengths to solve problems.

Exploring the Extreme			
2007 Mathematics			
Next Generation Sunshine State Standards			
Florida Mathematics			
Grade 4			
Activity/Lesson	**State**	**Standards**	
Finding the Center of Gravity Using Rulers	FL	MA.4.MA.4.G.3.3	Select and use appropriate units, both customary and metric, strategies, and measuring tools to estimate and solve real-world area problems.
Finding the Center of Gravity Using Plumb Lines	FL	MA.4.MA.4.G.3.3	Select and use appropriate units, both customary and metric, strategies, and measuring tools to estimate and solve real-world area problems.
Changing the Center of Gravity Using Moment Arms	FL	MA.4.MA.4.G.3.3	Select and use appropriate units, both customary and metric, strategies, and measuring tools to estimate and solve real-world area problems.

Exploring the Extreme			
2007 Mathematics			
Next Generation Sunshine State Standards			
Florida Mathematics			
Grade 6			
Activity/Lesson	**State**	**Standards**	
Center of Gravity, Pitch, Yaw	FL	MA.6.MA.6.A.5.3	Estimate the results of computations with fractions, decimals, and percents and judge the reasonableness of the results.

Exploring the Extreme			
2007 Mathematics			
Next Generation Sunshine State Standards			
Florida Mathematics			
Grade 8			
Activity/Lesson	**State**	**Standards**	
Vectoring	FL	MA.8.MA.8.G.2.3	Demonstrate that the sum of the angles in a triangle is 180-degrees and apply this fact to find unknown measure of angles, and the sum of angles in polygons.

Center of Gravity, Pitch, Yaw	FL	MA.8.MA.8.A.6.4	Perform operations on real numbers (including integer exponents, radicals, percents, scientific notation, absolute value, rational numbers, and irrational numbers) using multi-step and real world problems.
Fuel Efficiency	FL	MA.8.MA.8.A.6.4	Perform operations on real numbers (including integer exponents, radicals, percents, scientific notation, absolute value, rational numbers, and irrational numbers) using multi-step and real world problems.